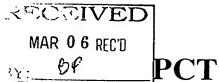
## PATENT COOPERATION TREATY

WO 2005/029223 PCT/US2004/029470



From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING

To:

TRANSMITTAL OF COPY OF INTERNATIONAL
APPLICATION AS PUBLISHED OR REPUBLISHED

ADELI, Mani
Stattler Johansen & Adeli
P.O. Box 51860
Palo Alto, CA 94303-0728

**ETATS-UNIS D'AMERIQUE** Date of mailing (day/month/year) 23 February 2006 (23.02.2006) Applicant's or agent's file reference APLE.P0011PCT IMPORTANT NOTICE International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US2004/029470 10 September 2004 (10.09.2004) 18 September 2003 (18.09.2003) Applicant APPLE COMPUTER, INC. et al The International Bureau transmits herewith the following documents: copy of the international application as published by the International Bureau on under No. WO copy of international application as republished by the International Bureau on 23 February 2006 (23.02.2006) under No. WO 2005/029223 For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (as the case may be) on the front page of the attached document.

> The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Ellen Moyse

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 89 75

### (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 31 March 2005 (31.03.2005)

# (10) International Publication Number WO 2005/029223 A3

- (51) International Patent Classification: H04L 9/36 (2006.01) G06F 11/30 (2006.01) G06F 11/22 (2006.01)
- (21) International Application Number:

PCT/US2004/029470

(22) International Filing Date:

10 September 2004 (10.09.2004)

(25) Filing Language:

English

(26) Publication Language:

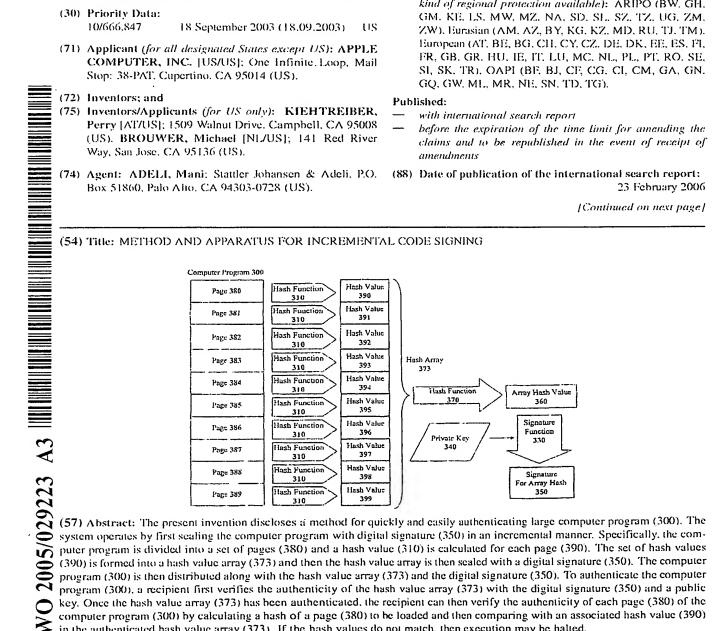
English

(30) Priority Data:

10/666.847

18 September 2003 (18.09.2003)

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT. AU. AZ. BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FL GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH. PL. PT. RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW. GH. GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM).



key. Once the hash value array (373) has been authenticated, the recipient can then verify the authenticity of each page (380) of the computer program (300) by calculating a hash of a page (380) to be loaded and then comparing with an associated hash value (390) in the authenticated hash value array (373). If the hash values do not match, then execution may be halted.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/29470

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(\$) : H041. 9/36; G06F 11/22, 11/30					
US Cl. : 713/187, 190; 726/22					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum do	ocumentation searched (classification system followed	by classific	ation symbols)		
U.S.: 713/160, 161, 176, 181; 726/26					
j				•	
Degumentati					
Documentan	on searched other than minimum documentation to th	e extent that	t such documents are included in	the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
Please See Continuation Sheet					
	UMENT'S CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where	appropriate,	of the relevant passages	Relevant to claim No.	
х	EP 0752786 AT THOMSON CONSUMER ELECT	RONICS, II	NC.) 08 January 1997	1, 3, 6, 8-11, 13-15, 17-	
	(08.01.97), page 7, lines 20-21, 32-33; page 8, lines 2 and 5-14; page 11, lines 31-39 and 53-				
Y	59; figure 1, item 11; figure 7, steps 41, 46, 51, and 53; figure 10, steps 124, 126, 136, 138,				
••	140, 148, 150, and 152; figure 11, step 1244.			2, 4, 5, 7, 12, 16	
Y	SCHNEIER, B. Applied Cryptography, Second Edition	ion: Protoco	ols, Algorigthms, and Source	2, 4, 5, 12	
V	Code in C. 1996, section 18.7, pages 442-445.				
Y	US 2002/0194484 A1 (BOLOSKY et al) 19 December 2002 (19.12.2002), paragraphs 7, 16				
	[0005], [0061], and [0070]; figure 3, item 358; figure 4, item 402.				
A	WO 01/63385 A1 (NCIPHER CORP. LTD.) 30 August 2001 (30.08.01), page 7, lines 5-12;				
Α	figure 5, items 22, 24, 302, and 306. WO 02/41147 A1 (DIGITAL TRANSIT) 23 May 20				
^	12, items 1408, 1410, 1412, and 1414.	102 (23.03.0	12), page 38, lines 925; figure	1-20	
	12, 10115 1400, 1410, 1412, 2110 1414.				
			·		
į			j		
i					
Further	documents are listed in the continuation of Box C.		S		
			See patent family annex.		
• S <sub>F</sub>	pecial categories of cited documents:	"T"	later document published after the inten- date and not in conflict with the applica		
"A" document	defining the general state of the art which is not considered to be of		principle or theory underlying the inven		
particular	relevance	"X"	da		
"E" carlier app	lication or patent published on or after the international filing date		document of particular relevance; the cl considered novel or cannot be considered	aimed invention cannot be	
	•		when the document is taken alone		
"L" document establish ti	which may throw doubts on priority claim(s) or which is cited to be publication date of another citation or other special reason (as	"Y"	document of particular relevance; the cl	simed invention cannot be	
specified)		•	considered to involve an inventive step		
"O" document	referring to an oral disclosure, use, exhibition or other means		combined with one or more other such o		
			being obvious to a person skilled in the	1	
"P" document published prior to the international filing date but later than the		"&"	document member of the same patent fa	mily	
priority date claimed					
Date of the actual completion of the international search		Date of m	ailing of the international search	report	
09 December 2005 (09.12.2005)			27 DEC 200	5	
			d officer 0		
Mail Stop PCT, Attn: ISA/US			xble ball for		
Commissioner for Patents P.O. Box 1450		Justin T. Darrow			
Alexandria, Virginia 22313-1450		Telephone No. 571-272-3801			
Facsimile No. (571) 273-3201					
	210 ( / 1 ) (4 2 000 5)	<u> </u>			

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/29470			
•				
Continuation of B. FIELDS SEARCHED Item 3:  EAST(US-PGPUB; USPAT); EAST(EPO; JPO; DERWENT) scarch terms: divide, split, separate, part, segment, partition, block, subblock, program, software, instructions, executable, operating system, hash, array, vector, matrix, set, sign, signature, SHA, distribute, transmit, send, transfer, forward, communication, receive, download, uplink, upload, public key, asymmetric key, verify, authenticate, confirm, validate, error, alert, fault				
	•			